| Ind | lex of | Claims | |
|-----|--------|--------|--|
| | | | |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/608,525 | DIGRIGOLI ET AL. |
| Examiner | Art Unit |
| Frantzy Poinvil | 3692 |

| √ - | Rejected |
|--------|----------|
| = | Allowed |

| - | (Through numeral) Cancelled |
|---|--------------------------------|
| - | Restricted |

| N | Non-Elected |
|---|--------------|
| ī | Interference |

| A | Appeal |
|---|----------|
| o | Objected |

| Cir | im | | | | | Date | | | | | .1 | Cla | im | | | | Dat | | | | | Г | Cla | aim | | - | | Г | ate | |
|----------|----------|--------------|----------|----------|--------------|----------|----------|--|-------------------------------------|----------|----|----------|----------|---------------|---------|---|--------------------|----------|----------|-----------------|----------|----------|-------|-------------|---|----------|----------|--------------|-----------------|----------|
| Cla | | \vdash | | 1 | 1 | /alt | | | I | \dashv | | Cie | | $\neg \top$ | \top | Τ. | Tal | | | Т | \dashv | - | | | | П | | | 1 | \Box |
| Final | Original | 9/1/07 | | • | | | | | | | | Final | Original | | | ' | ł | | | | | | Final | Original | | | | | | ļ |
| | 1 | 1 | | | | | | | | | . | | 51 | | | Τ. | | | | | | | | 101 | | | | | | |
| | 2 | 1 | | | | | | | | | | | 52 | | 1 | | | | | | | | | 102 | | | | | | \Box |
| | 3 | 1 | | | | | | | | | | | 53 | | | | | | | | | | | 103 | | | | | | |
| | 4 | ٧ | | | | | | | | | | | 54 | | | | | | | | | | | 104 | | | | | | \perp |
| | 5 | 1 | | | | | | | | | | | 55 | | | | | | | | | L | | 105 | | | \Box | | | |
| | 6 | 1 | | | | | | | | | | | 56 | | | | | | | | | | | 106 | | | | | \Box | |
| | 7 | 1 | | | | | | | | | | | 57 | | \perp | | | <u> </u> | | | _ | L | | 107 | | | | | | \perp |
| | 8 | 1 | | | | | | | | | | | 58 | | \perp | | L | | | | \perp | L | | 108 | | | | | | |
| | .9 | 1 | | | | | | | | | | | 59 | | 1 | | | <u> </u> | | | _ | L | | 109 | | | | | | \dashv |
| | 10 | 1 | | | | | | | | _ | | | 60 | | _ | | _ | | | | _ | Ļ | | 110 | | | | | _ | \dashv |
| | 11 | 1 | | | | | | | | _ | | | 61 | _ | | | <u> </u> | <u></u> | | \perp | _ | - | | 111 | | | | | | _ |
| <u></u> | 12 | 1 | Ш | Щ | | | L | | Щ | | | | 62 | _ | \perp | \bot | _ | ļ | | \dashv | _ | - | | 112 | | Ш | | | \vdash | + |
| <u></u> | 13 | 1 | L_ | Щ | Ш | _ | <u> </u> | <u> </u> | | | | | 63 | + | + | + | - | ↓ | | \vdash | \dashv | - | | 113 | | Ш | - | _ | | + |
| <u></u> | 14 | 1 | Ш | Щ | Ш | L | - | _ | Ш | _ | | | 64 | _ | \bot | - | \vdash | ₩ | Щ | \vdash | | F | | 114 | \vdash | | _ | | \sqcup | - |
| <u></u> | 15 | 1 | | Ш | \Box | _ | | _ | | | | | 65 | \dashv | - | + | ┼ | | | | 4 | - | | 115 | | | _ | | \dashv | + |
| | 16 | ٧, | | | - | | | _ | | _ | | | 66 | | - | - | ╀ | - | | | 4 | - | | 116 | | \vdash | - | | \vdash | + |
| | 17 | 1 | | | | | _ | | | | | | 67 | _ | - | ┿ | ╄ | | | | | ┝ | | 117 | | | | | | + |
| | 18 | 1 | _ | | | | | <u> </u> | | | | - | 68 | | + | | +- | - | | \dashv | - | ╌ | | 118 119 | | H | | | - | |
| ├ | 19 | 1 | _ | | | | | <u> </u> | _ | | | <u> </u> | 69 | + | + | ┵ | ┼┈ | - | | | | - | | 120 | | Н | - | - | \dashv | \dashv |
| | 20 | 1 | | | _ | <u> </u> | | _ | | | | <u> </u> | 70 | + | + | | ┿ | <u> </u> | _ | \dashv | - | - | | 121 | | Н | - | | \dashv | |
| | 21 | 1 | | Н | Н | | | ⊢ | - | _ | | | 71 72 | \rightarrow | + | + | ╁ | ┢ | | \dashv | \dashv | - | | 122 | | Н | | | \vdash | \dashv |
| <u> </u> | 22 | 1 | H | - | | | | ⊢ | | | | | 73 | | + | + | + | ├- | _ | - | | - | | 123 | _ | Н | | | | -+ |
| <u> </u> | 24 | 1 | H | - | _ | \vdash | | ├- | - | | | | 74 | + | + | ┿ | ┪ | + | | - | _ | - 1 | | 124 | - | | | | | |
| | 25 | 1 | \vdash | - | | \vdash | | - | - | | | <u> </u> | 75 | + | + | +- | + | 1 | | - | | ŀ | | 125 | _ | Н | \dashv | - | - | |
| <u> </u> | 26 | 1 | | | - | | | | Н | | | | 76 | | + | + | + | ┼ | - | | | H | | 126 | _ | Н | | | | _ |
| | 27 | 1 | \vdash | - | | \vdash | \vdash | - | - | | | | 77 | | + | + | + | + | | | _ | 1 | | 127 | - | | | _ | \neg | |
| | 28 | 1 | - | | | \vdash | - | - | | _ | | | 78 | | ╁ | _ | + | 1 | _ | - | | H | | 128 | | | | _ | | 1 |
| | 29 | V | | | | | \vdash | | | _ | | | 79 | _ | \top | \top | \dagger | _ | | | 一 | | | 129 | Г | | | | | |
| | 30 | V | | | | | | | | | | | 80 | | \top | \top | 1 | 1 | | \dashv | \neg | ľ | | 130 | _ | | | | | |
| | 31 | 1 | \vdash | | | | \vdash | | | _ | | | 81 | | \top | | | | | | \neg | Ī | | 131 | | | | | | |
| | 32 | V | | \vdash | | | Г | | | | | | 82 | | 十 | \top | | | | | | | | 132 | | | | | | |
| | 33 | 1 | | | | | | | | | | | 83 | | T | T | | | | | | | | 133 | | | | | | |
| | 34 | V | | | | | | | | | | | 84 | | | $oldsymbol{ol}}}}}}}}}}}}}}}$ | I | | | | | | | 134 | | | | | | L |
| | 35 | 1 | | | | | | | | | | | 85 | | | | | | | | | | | 135 | | | | | | \Box |
| | 36 | V | | | | | | | | | | | 86 | | | | | | | | | | | 136 | L | | Ш | | | \perp |
| | 37 | 1 | | | | | | | | | | | 87 | | | | | | <u> </u> | | | | | 137 | $ldsymbol{ld}}}}}}$ | | | <u>_</u> | Ш | \dashv |
| | 38 | | | | | | | 匚 | | | [| | 88 | | | | L | \perp | | Ц | | L | | 138 | | Ш | Ш | <u> </u> | \sqcup | \dashv |
| | 39 | | | | | | | | | | | L | 89 | | | _ | _ | | <u> </u> | \sqcup | Ц | L | | 139 | | <u> </u> | \sqcup | L_ | Ш | |
| | 40 | _ | | | | <u> </u> | _ | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | | | 90 | | _ | \perp | $oldsymbol{\perp}$ | _ | <u> </u> | \sqcup | | | | 140 | | <u> </u> | | _ | | |
| L | 41 | $oxed{oxed}$ | <u> </u> | <u> </u> | $oxed{oxed}$ | <u> </u> | <u> </u> | Ц. | <u> </u> | | | <u> </u> | 91 | _ | \perp | _ | \perp | 1 | <u>L</u> | \sqcup | _ | ŀ | | 141 | _ | Н | <u> </u> | | \square | \vdash |
| | 42 | <u> </u> | | <u> </u> | | <u> </u> | \vdash | <u> </u> | | | | | 92 | <u> </u> | + | - | \perp | _ | | \dashv | 4 | - | | 142 | <u> </u> | <u> </u> | | | | \dashv |
| | 43 | <u> </u> | | <u> </u> | | <u> </u> | \vdash | <u> </u> | <u> </u> | | | | 93 | <u> </u> | _ | + | + | | | \dashv | _ | - | | 143 | <u> </u> | - | | <u> </u> | \vdash | + |
| | 44 | | _ | <u> </u> | | <u> </u> | \vdash | | <u> </u> | | | | 94 | _ | _ | + | + | - | | \dashv | | - | | 144 | | H | | | | \dashv |
| | 45 | - | - | <u> </u> | | <u> </u> | ├ | - | \vdash | | l | | 95 | | + | + | +- | \vdash | | | \dashv | - | | 145 .146 | \vdash | Н | _ | - | \vdash | |
| | 46 | ├- | - | \vdash | \vdash | ├ | ├— | ├ | \vdash | | | | 96 97 | - | + | + | + | \vdash | \vdash | \vdash | \dashv | - | | 147 | | - | \vdash | \vdash | $\vdash \vdash$ | \dashv |
| | 47 | \vdash | - | - | \vdash | \vdash | ├ | - | \vdash | | | \vdash | 98 | - | + | + | + | + | \vdash | $\vdash \vdash$ | \dashv | | | 148 | \vdash | - | \vdash | \vdash | | + |
| - | 48 | ┼ | \vdash | - | \vdash | ⊢ | \vdash | | | _ | 1 | <u> </u> | 99 | + | + | + | ┰ | + | \vdash | | \dashv | - | | 149 | - | | \vdash | \vdash | H | \dashv |
| - | 50 | - | \vdash | | \vdash | ├- | ├ | \vdash | - | _ | 1 | \vdash | 100 | \vdash | + | + | + | + | \vdash | \dashv | \dashv | H | | 150 | \vdash | | \vdash | \vdash | H | -+ |
| 1 | 1 30 | 1 | I | | | _ | L | | <u> </u> | | 1 | | 1,00 | | | | | 1 | | ட | | L | | | | | Ĺ., | | | |

| Cli | aim | Date | | | | | | | | | | | | |
|-------|---|----------------|--|---------------|----------|--------------|--|----------|---|-----------------|--|--|--|--|
| | | | | | ī | | | | | \dashv | | | | |
| _ | Original | | | | | | | | | | | | | |
| Final | igi | | | | | | | | | | | | | |
| щ | ō | | | | | | | | | | | | | |
| | | | | | | | | | _ | | | | | |
| | 101 | | | | | Ш | | | | ∟ i | | | | |
| | 102 | | | | | | | | | | | | | |
| | 103 | | | | | | | | | L | | | | |
| | 101 102 103 104 | | | | | | | | | | | | | |
| | 105 | | | | | | | | | | | | | |
| | 106 | | | | | | | | | | | | | |
| | 107 | | | | | | | | | | | | | |
| | 108 | | | | | | | | | \neg | | | | |
| | 108 109 110 111 | - | | | - | | | _ | _ | \neg | | | | |
| | 110 | | | - | _ | - | | | | \dashv | | | | |
| | 111 | Н | | | | | _ | | | - | | | | |
| | 112 | | | _ | _ | | | _ | | \dashv | | | | |
| | 112 | \vdash | Н | - | - | | | | | | | | | |
| | 112 113 114 115 116 | Н | | | <u> </u> | | \vdash | \vdash | - | \dashv | | | | |
| | 114 | $\vdash\vdash$ | | <u> </u> | <u> </u> | \vdash | \vdash | | | Н | | | | |
| | 115 | Щ | <u> </u> | _ | | \vdash | | | <u> </u> | \vdash | | | | |
| | 116 | Щ | | <u> </u> | <u> </u> | | \vdash | <u> </u> | | | | | | |
| | 117 118 | | | | L_ | L. | $oxed{}$ | | Ш | \Box | | | | |
| | 118 | <u> </u> | | | | L | | | | Ш | | | | |
| | 110 | | | L. | | $oxed{oxed}$ | <u> </u> | | L | Ш | | | | |
| | 120 121 122 | | L. | | | | | | | | | | | |
| | 121 | | | | | | | | | | | | | |
| | 122 | | | | | | | | | | | | | |
| | 123 124 125 | | | - | | | | | | П | | | | |
| | 124 | | | | | | | | | М | | | | |
| | 125 | \vdash | | | \vdash | | | | | П | | | | |
| | 126 | | _ | | \vdash | ┢ | \vdash | | | Н | | | | |
| | 127 | - | | - | - | - | | | | \vdash | | | | |
| | 128 | \vdash | | | - | ┝ | | | - | \vdash | | | | |
| | 120 | \vdash | — | | - | ├ | | _ | \vdash | Н | | | | |
| | 129 | - | | _ | _ | | | | \vdash | \vdash | | | | |
| | 130 | <u> </u> | _ | - | <u> </u> | ├- | | | \vdash | \vdash | | | | |
| | 126 127 128 129 130 131 132 | \vdash | <u> </u> | <u> </u> | ├— | ⊢ | - | - | - | \vdash | | | | |
| | 132 | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | _ | Ш | | | | |
| | 133 | | L | <u> </u> | <u> </u> | \vdash | | | _ | Ш | | | | |
| | 134 | | L. | <u> </u> | | <u> </u> | L | | _ | Ш | | | | |
| | 134 135 136 | $oxed{oxed}$ | | L. | <u> </u> | | _ | L | _ | Ш | | | | |
| | 136 | | | | <u> </u> | | | L_ | $ldsymbol{le}}}}}}$ | | | | | |
| | 137 | \Box | _ | _ | | _ | | <u> </u> | $ldsymbol{ld}}}}}}$ | | | | | |
| | 137 138 | | | L | | | | | | | | | | |
| | 139 | | | | | | | | | | | | | |
| | 140 | П | | | | | | | | | | | | |
| | 141 | | | | | <u> </u> | | | | | | | | |
| | 142 | Г | | $\overline{}$ | | | | Γ | Ī | | | | | |
| | 143 | ऻ | ļ | | | | | | _ | \Box | | | | |
| | 144 | | | \vdash | <u> </u> | \vdash | | \vdash | | \Box | | | | |
| | 145 | - | \vdash | | | | \vdash | \vdash | | \vdash | | | | |
| | 146 | \vdash | \vdash | - | \vdash | \vdash | | - | \vdash | H | | | | |
| | 147 | - | | \vdash | \vdash | | ╁ | \vdash | \vdash | \vdash | | | | |
| | 147 | \vdash | | | \vdash | ├- | — | \vdash | \vdash | $\vdash \vdash$ | | | | |
| | | - | ├ | \vdash | ├- | | | \vdash | ⊢ | $\vdash \vdash$ | | | | |
| | 149 | | | ├ | \vdash | - | <u> </u> | _ | ⊢ | Н | | | | |
| | 150 | L | | <u>L</u> . | | <u> </u> | | <u> </u> | | Ш | | | | |